Having described the invention, what is claimed is:

1. A method of manufacturing a flow connector, comprising:

molding from a composition comprising at least one polymer a preform having a wall thickness defining an internal cavity and comprising at least two apertures through said wall thickness, and

joining a cap comprising at least one polymer onto at least one of said apertures.

2. The method of manufacturing a flow connector according to claim 1 wherein said preform comprises a longitudinal axis and one of said at least two apertures is located at the end of said longitudinal axis.

3. The method of manufacturing a flow connector according to claim 2 wherein said preform further comprises a substantially tubular portion disposed around said longitudinal axis.

4. The method of manufacturing a flow connector according to claim 3 wherein said substantially tubular portion further comprises a flange disposed around said aperture located at the end of said longitudinal axis and said cap comprises a face having a flange, the flanges of said substantially tubular portion and said cap being configured in shape and thickness to mate and bond with each other.

5. The method of manufacturing a flow connector according to claim 4 wherein said substantially tubular portion and said cap further comprise corresponding reservoirs and lips disposed around said flanges for accommodating a melt front of polymer during said joining.

6. The method of manufacturing a flow connector according to claim 3 wherein said substantially tubular portion defines a manifold body for fluid handling.

7. The method of manufacturing a flow connector according to claim 6 wherein said at least two apertures is a plurality of ports located in said manifold body.

8. The method of manufacturing a flow connector according to claim 1 wherein said molding is performed by injection molding.

9. The method of manufacturing a flow connector according to claim 8 wherein said injection molding is performed by moving a core pin inside a mold along said longitudinal axis to form said preform.

10. The method of manufacturing a flow connector according to claim 1 wherein said joining is performed by a method selected from the group consisting of plastic bonding and plastic welding.

11. The method of manufacturing a flow connector according to claim 10 wherein said joining is performed by fusion welding.

12. The method of manufacturing a flow connector according to claim 10 wherein said joining is performed by induction-heating joining.

13. The product-produced-by-the-method according to claim 1.

14. The product-produced-by-the-method according to claim 2.

15. The product-produced-by-the-method according to claim 8.

16. The product-produced-by-the-method according to claim 10.

17. A preform for manufacturing a flow-connector, comprising:

a wall thickness defining an internal cavity having a longitudinal axis and comprising at least two apertures through said wall thickness, one of said at least two apertures being located at the end of said longitudinal axis.

18. The preform for manufacturing a flow-connector according to claim 17 wherein said preform further comprises a substantially tubular portion disposed around said longitudinal axis.

19. The preform for manufacturing a flow-connector according to claim 18 wherein said substantially tubular portion further comprises a flange disposed around said aperture located at the end of said longitudinal axis for joining to a cap.

20. The preform for manufacturing a flow-connector according to claim 18 wherein said substantially tubular portion defines a manifold body for fluid handling.

21. The preform for manufacturing a flow-connector according to claim 20 wherein said at least two apertures is a plurality of ports located in said manifold body.

22. A flow-connector, comprising:

a wall thickness defining an internal cavity having a longitudinal axis and comprising at least two apertures through said wall thickness, one of said at least two apertures being

located at the end of said longitudinal axis and having a cap joined to said wall thickness to cover said aperture.

23. The flow-connector according to claim 22 wherein said flow connector further comprises a substantially tubular portion disposed around said longitudinal axis.

24. The flow-connector according to claim 23 wherein said substantially tubular portion defines a manifold body for fluid handling.

25. The flow-connector according to claim 24 wherein said at least two apertures is a plurality of ports located in said manifold body.